

STEREO MOC Status Report
Time Period: 2006:317 - 2006:323

STEREO Ahead (STA) Status:

1. One Ground System anomalies occurred during this reporting period.

- On DOY 322, COMM was not available to DSS-25. The track was completed using a conference call to the station. The problem was traced to a reboot of the system at Goddard earlier in the weekend and the circuits were never re-initiated to bring them back on-line.

2. Ahead spacecraft performance continues to be very good. The following significant early operations events occurred during this week:

- The A2+ maneuver was successfully executed on Ahead on DOY 318. This was the largest of the Ahead delta V maneuvers with a 46 m/sec, 40 minute burn.
 - On the slew back to Sun pointing following the A2+ maneuver, the Moon came into the Star Tracker field of view causing it to demote to Standby Mode. Autonomy Rule #63 executed twice to place it back into AAD Mode.
- IMPACT performed a software load on DOY 319.
- Loaded Post P2 maneuver mass properties on DOY 320 in preparation for the P2 maneuver.
- SECCHI and PLASTIC were powered down prior to the P2 maneuver to save power for the P2 eclipse, IMPACT was powered down following the P2 maneuver.
- On DOY 321 the second perigee delta V maneuver was successfully completed just prior to perigee. The results of the A2+ and P2 maneuvers placed the Ahead spacecraft on course for the S1 lunar swing-by on December 15 without requiring further maneuvers.
- SECCHI, IMPACT, and PLASTIC were powered on following the second perigee on DOY 321.
- The IMPACT SEP/SEPT2 instruments were powered down for safing during the Leonids on DOY 322.

STEREO Behind (STB) Status:

1. No significant Ground System anomalies occurred during this reporting period.

2. Behind spacecraft performance continues to be very good. The following significant early operations events occurred during this week:

- The IMPACT SEP instrument was successfully powered on DOY 317.
- The first SECCHI GT calibration was executed on DOY 317 and the spacecraft successfully achieved fine pointing Mode.
- IMPACT performed a software load on DOY 318.
- The A2+ maneuver was successfully executed on Behind on DOY 218. This was the largest of the Behind delta V maneuvers with a 28 m/sec, 25 minute burn.
 - On the slew back to Sun pointing following the A2+ maneuver, the Moon came into the Star Tracker field of view causing it to demote to Standby Mode. Autonomy Rule #63 executed twice to place it back into AAD Mode.
- SECCHI and PLASTIC were powered down prior to the P2 maneuver on DOY 320 to save power for the P2 eclipse, IMPACT was powered down following the P2 maneuver on DOY 321.
- On DOY 321 the second perigee delta V maneuver was successfully completed just prior to perigee. The results of the A2+ and P2 maneuvers placed the Behind spacecraft on course for the S1 lunar swing-by.
- SECCHI, IMPACT, and PLASTIC were powered on following the second perigee on DOY 321.
- The IMPACT SEP/SEPT2 instruments were powered down for safing during the Leonids on DOY 322.